

What is claimed is:

1. An electrocardiogram (ECG) analysis device for analyzing an ECG, comprising:

- 5 means for analyzing level of an ECG feature value;
means for determining disease information relating to a patient's disease based on information including the feature value; and
means for outputting both the feature value analysis result analyzed by the means for analyzing level of an ECG feature value and the
10 disease information result determined by the means for determining disease information.

2. A computer readable medium having stored thereon the computer program for an ECG analysis device that analyzes an ECG, wherein
15 the program is implemented in a computer and capable of causing the computer to perform:

- means for analyzing magnitude of an ECG feature value;
means for determining disease information relating to a patient's disease based on information including the feature value; and
20 means for outputting both the feature value analysis result analyzed by the means for analyzing magnitude of an ECG feature value and the disease information result determined by the means for determining disease information.

25 3. The ECG analysis device or the computer readable medium according to claims 1 or 2, wherein the outputting means further displays a chart that relates the feature value analysis result to each portion of heart.

30 4. The ECG analysis device or the computer readable medium according to claims 3, wherein the outputting means further displays

the chart in a radar chart form that arranges each of the feature value analysis result at the corresponding portion of the heart.

5. The ECG analysis device or the computer readable medium
5 according to claims 3 or 4, wherein the outputting means further outputs history of the feature value analysis result and/or history of the disease information result when outputting the feature value analysis result.

10 6. The ECG analysis device or the computer readable medium according to claims 3, 4, or 5, wherein the outputting means further outputs history summary of the feature value analysis result.

7. The ECG analysis device or the computer readable medium
15 according to one of claims 1-6, wherein the feature value is based on the constituent elements of an ECG including P wave, Q wave, R wave, S wave, ST segment, or T wave.

8. The ECG analysis device or the computer readable medium
20 according to one of claims 1-7, wherein the disease information determining means determines the disease information based on the Minnesota code as an ECG classification reference.

9. The ECG analysis device or the computer readable medium
25 according to one of claims 1-8, wherein the ECG analysis device further outputting heartbeat-related information by sound and/or varying display style during analyzing the ECG.

10. The ECG analysis device or the computer readable medium
30 according to one of claims 1-9, wherein the ECG analysis device further outputting a warning signal when the analysis can not be

executed during analyzing the ECG.

11. An ECG analysis device for analyzing an ECG,
a central processing unit (CPU) of the ECG analysis device is to
5 execute the procedures of:
analyzing level of an ECG feature value;
determining disease information relating to a patient's disease based
on information including the feature value; and
outputting both the feature value analysis result and the disease
10 information result.
12. A method for analyzing an ECG comprising the steps of:
analyzing magnitude of an ECG feature value;
determining disease information relating to a patient's disease based
15 on information including the feature value; and
outputting both the feature value analysis result and the disease
information result.
13. A method for analyzing an ECG comprising the steps of:
20 analyzing magnitude of an ECG feature value;
determining disease information relating to a patient's disease based
on information including the feature value;
narrowing down the candidates of disease information result based on
the feature value analysis result; and
25 outputting the narrowed disease information result candidates.
14. A method for analyzing an ECG comprising the steps of:
analyzing magnitude of an ECG feature value;
determining disease information relating to a patient's disease based
30 on information including the feature value;
determining different disease information than the determined

disease information by considering both the feature value analysis result and the determined disease information result; and
outputting the different disease information result.

- 5 15. A method for analyzing an ECG comprising the step of analyzing the ECG by combining an algorithm for analyzing level of an ECG feature value and an algorithm for determining whether a patient's cardiac function is abnormal or not, which is based on information including the feature value.

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